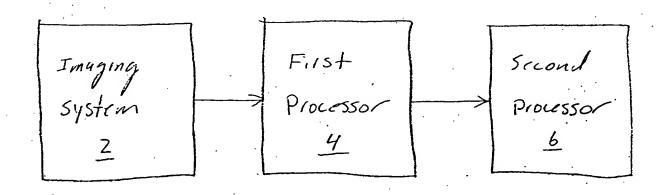


Fig 1



Figz

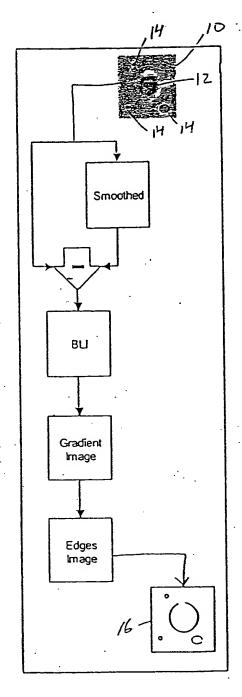
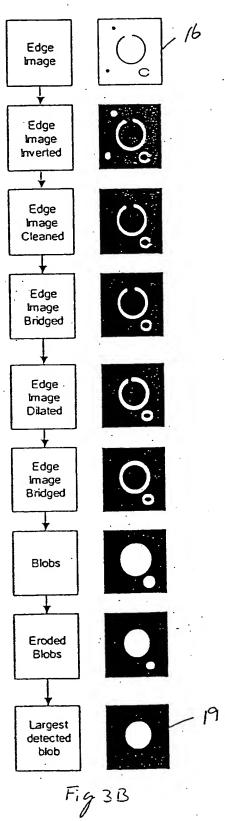


Fig 3A



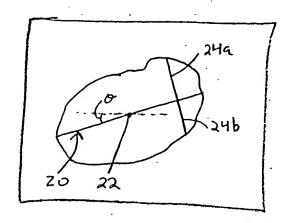


Fig 4

$$Fig 5A$$

$$Fig 5B$$

$$Fig 5B$$

$$Fig 5B$$

$$Fig 5C$$

$$Fig 5D$$

$$Fig 5D$$

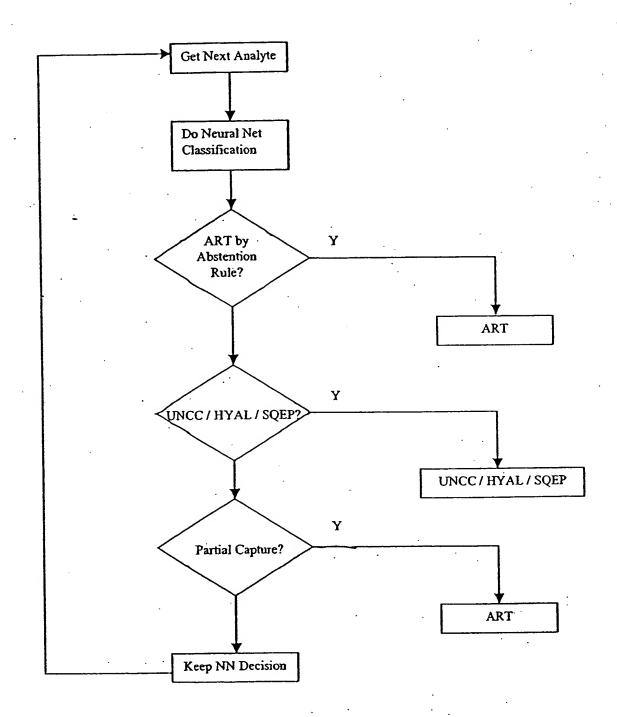
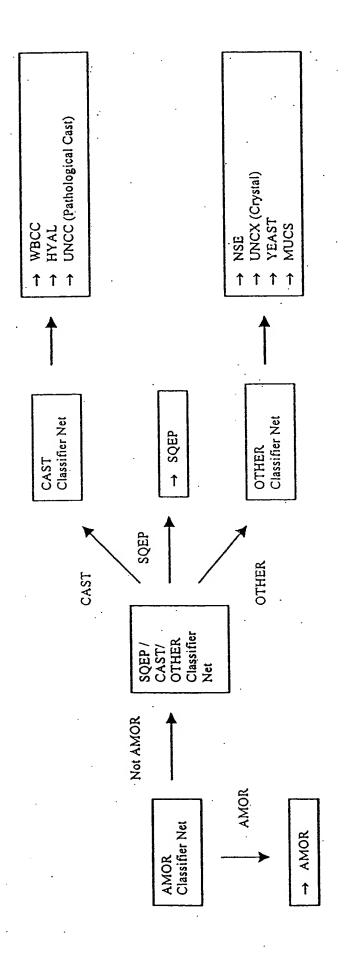
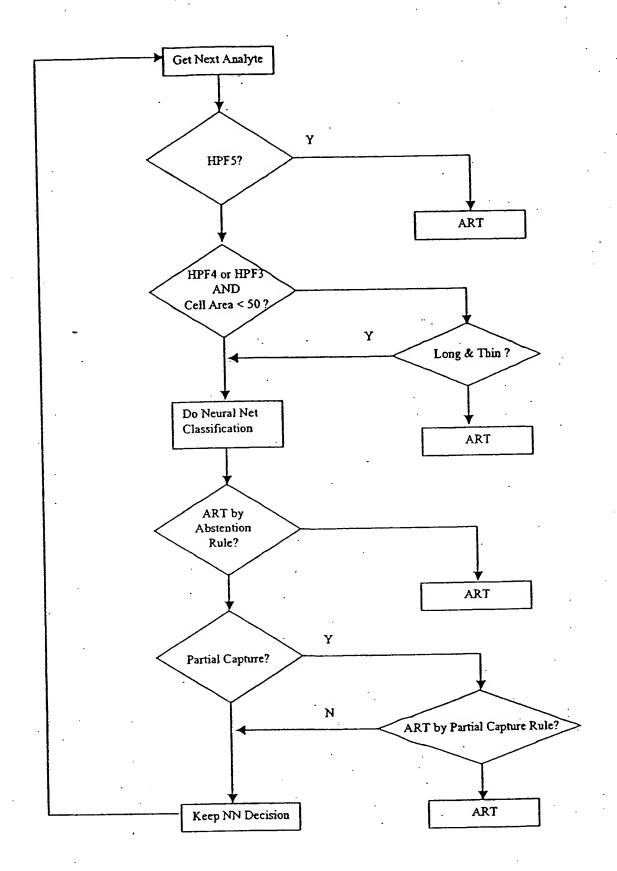


Fig 6A





F.g 7A

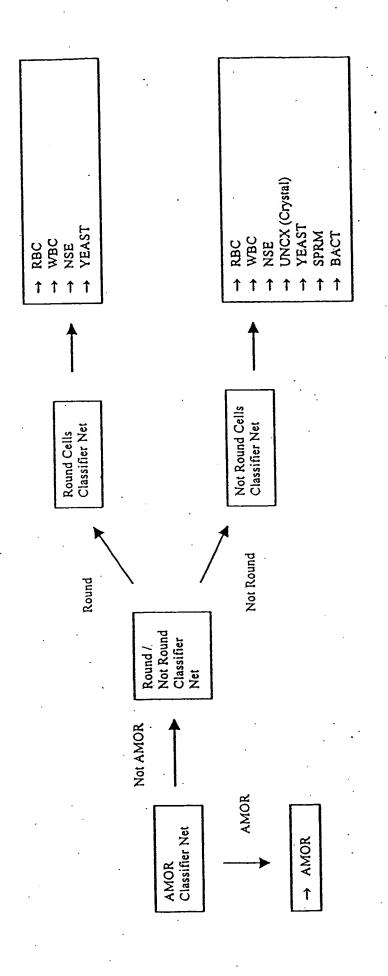


Fig JB

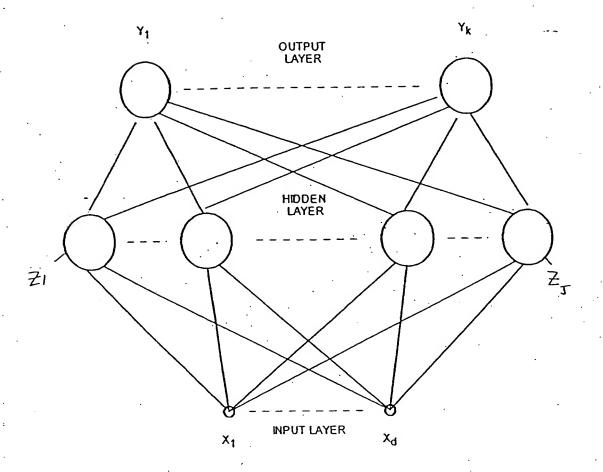


Fig 8

		TOURS TOURS	LUSE POLINCA! H	PENOT ROUND?	LPF AMOR2 L	PF CAST/SQEP/OTHERS L	PF CAST3 LF	FOTHER4
Feature No.	HPF AMORE	be 300MD/MO1 KOOMD	I APP ROUNCEST	77	-			
	 	x	 		X	X		
0	 		x	х	×	X		
	X	<u>x</u>		×	X	х		Х
2	X	X	 	×	X	X		X
3	×	x				X		
4	X	x				x		
5		- x	 	×	X	×		
5	X	$\frac{\hat{x}}{x}$	i t					
7	<u> </u>	x	 					
3	<u> </u>	-	 					
9	<u> </u>		 		. x 1			
10		×	X	х			X	
11	<u> </u>		+~-		X			
12	<u> </u>	Х	X	х				
13		X	 		X			
14		Х	+ × 1.	x	-	×		
15		Х	 	×	 			
16	<u>.l</u>	X	 		×	×		
17	.1	X		- x	 ^+			×
18	T	X	 		1 × -		х	X
19	1 X	X	 	X	 	×	X	X
20		×		X		- x		x
21	Х	X		х	1 x			
22	Х	X				x	×	×
23		X		X	X			
24 -	-1	X			 		 -	
25					 	x	X	×
26	1	X			 			^ -
27	<u> </u>	X			 			
29					 		×	х
29		X		X	×	X		
30		X			1			
31					I			
32		×						
33		X			L			
34	- 							 -
35	x	×		Х	·			<u>x</u> .
36		X		Х			X	
37	 	X		Х	X			X
38	 x	×			Х			Х
39		X						
40		X		. X				y, X
41		, x		Х		· .		μX
12		X		Х				
43		1			11			X
44						L		
45			1	Х		X		———
46	x				II			X
47	- i : - -				l I			
48	- x			· X		Х		
49	×				×			
50	×			Х	I.L			
51								
52		 			11	Χ	 	
. 53		 					X	
54					11			
55	X			X	11	X		
56	- x			Х	<u> </u>	L		
57	- - 	 		Х	X		L	х
58	 				11	<u> </u>	 	
59	1 2	1		Х	ــــــــــــــــــــــــــــــــــــــ		<u> </u>	
60	- Î			Х	1[
61	1 x			X	×	<u> </u>	 	×
62	-i -					<u> </u>	X	^_
63		-i					 	
64	- 						 	ļ
65				X	Х		X	
66	X			Х	X		L	Х
	- 	- 	X	X				
67				X	11		L	X
58				X	X		<u> </u>	
69	X			X	×			<u> </u>
				×	×		L	
70				X	X	X	X	
70 71	X	1		+		1		l
70 71 72	X ·			1 %				
70 71 72 73				X		 		
70 71 72 73 74	X ·			1			×	×
70 71 72 73 74 75	X ·			X	x x		X	х
70 71 72 73 74 75 76	X ·		Y	1	X		X	х
70 71 72 73 74 75 76	X ·		x	X X	×		×	
70 71 72 73 74 75 76	X ·		x	X			X	X

Fig 9A

128		HPF AMORZ	PF ROUND/NCT ROUND						
22	80					<u> </u>	•		
A									
SN	82								
X	83	Х		X					^_
S				1			X	 	
S					X	×	X		X
ST						L		1	
S		¥			X				
S		^_					Х	X	
No. No.				×		X	×		X
X									
97								 	
93					^				
93	92								
94 X									
96				X	X	X			
S		Y		×	X	1	Х	X	X
Section Sect		~-			X				
99							Х	1	
Section Sect						¥		1	х
100						 		 	
101			<u></u>			 		 	
103	100	Х	<u> </u>			ļ	L	 	
102				L	X	<u> </u>		↓	
103			T			L	X	<u> </u>	
196		<u>-</u>	 		X				
105		 				X			
106						1		T	
100		ļ 	 	 	 	+	 	1	
108		L	<u></u>	 		 		 	·
100		X		 		 ^		 	
109	108			L		1	L		
110		X		L				. 	
131			T		X	·L	X		X
132		 			1				
113		 -	 			1		X	
114			 	 	 	+	l		1
115		, ×		 			 	- 	
115				 	ļI		 	1	
117	115	1	L	 		+	 	-	
117	116	×		L			<u> </u>	_	
118			1	1			L	1	
119					X		l·		L
120		 	 		1			X	
121		 	 	1	×	X	1		
122		 		 	 	H	1	1	T
123		ļ		 	 	H	 	 	1
124		1	 	 	 	 		-	
125		<u> </u>				H	 	+	t
125				 		H	 	 	
126	125			L		Ц	<u> </u>	 ^-	
127		X				X		1	!
128		1	1					X	L
139		 	† · · · · · · · · · · · · · · · · · · ·	T					X
130		 	 	1	X	1			
131		 		· · · · ×		H -			
132		ļ. —		 ^		 			T
133 134 135 136 137 137 139 139 140 141 1		L	<u> </u>			 	+	 	
134 135 136 137 138 139 140 141 141 141 141 142 142 144 144 145 145 146 147 148 149 150 151 152 153 155	132	<u> </u>			<u> </u>	 			
134	133			.i	<u> </u>	LL			
135						11	<u> </u>		<u> </u>
136		1				LL			1
137 138 139 140 141 141 1		 		1	X	1			
138		+	 	1		11	1		L
139		-}			Y Y	 			T
140		 			 ^ 	H	 	1	
141 X X 142 X X 143 X X 144 X X 145 X X 146 X X 147 X X 148 X X 149 X X 150 X X 151 X X 152 X X 153 X X 154 X X 155 X X 156 X X 157 X X 158 X X 160 X X				 	 	 			
142 X	140		<u></u>	1		 	 		
142 143 X 144 X 145 X 146 X 147 X 148 X 149 X 150 X 151 X 152 X 153 X 154 X 155 X 156 X 157 X 158 X 160 X	141		<u> </u>			 	 		
143 X 144 X 145 X 146 X 147 X 148 X 149 X 150 X 151 X 152 X 153 X 154 X 155 X 156 X 157 X 158 X 160 X	142					Ш			X
144 X		Х	T			11			X
145 X X X X X X 146 147 X X X X 147 X			1		X				
146 X X 147 X X 148 X X 149 X X 150 X X 151 X X 152 X X 153 X X 154 X X 155 X X 156 X X 157 X X 158 X X 160 X X		1		×					1
140		+		1		11) X	X	£ :
148		+	 	+	1	11	1		
149					+ v	++	 		X
149						+		^- -	 x
151						+	 	+	+
151						11			+
152	151			X		11			X
153		T	1			11			 _
154 X X X X X X X X X X X X X X X X X X X			1		X		X .		<u></u>
155		+			1	11	1	X	
156			 		X	11	1		1
157 X X X 158 X X 159 X 160		 			 	++			1
158 X X X 159 X 160				 		+1			+
159 X 160				_ 		4			+
160							X		
160				_i	X	11			+
		1	T	1	_}				
Fig 9B			•	Ĩ	=199B				

Feature No.	HPF AMOR2	PF ROUND/NOT ROUND	HPF ROUND4	HPF NOT ROUNOT	LPF AMORZ	LPF CAST/SQEP/OTHERS	LPF CASTS	CPF OTHER
161				X		X		
162		•						
163	X			X	<u> </u>	X		
164								
165	i		<u> </u>	X	<u> </u>	X		
166								
167			!	X				
168			<u> </u>				Х	
159			<u> </u>					Х
170				X				· X
171-				Х		X		
172			<u> </u>		1		<u> </u>	
173			<u> </u>		H			
174					L			
. 175			<u> </u>		l	X	<u> </u>	
176			<u> </u>	<u> </u>	Ц	· X	Х	
177			<u> </u>	X				
178				l			<u></u>	
179			<u> </u>	X	Ц	L	<u> </u>	ļ
180			<u> </u>	<u> </u>	IJ _			<u> </u>
181			<u> </u>	<u> </u>	LL		Х	
182	X		<u> </u>	X	!!			
183			L		!		Х	ļ
184	Х		1	X	!		<u> </u>	
185			<u> </u>		<u> </u>		<u> </u>	!
186	F		1		ll			
187			1	<u> </u>	11	<u> </u>		Х
188	X				II	<u> </u>	X	X
189			1		Ц		ļ	
190			l	1	 _ _ 	X	ļ	X
191			I	l	Ц		L	ļ
192				1	<u> </u>		<u> </u>	ļ
193					11		<u> </u>	
194	X		1	Х	11	<u> </u>	<u> </u>	
195			L	<u> </u>	11		!	<u> </u>
196					11		ļ	Ļ
197		i	1		11	1		46

Fig 9C

Preprocessing Artifact 51ZC < 20 Shape Factor >10 c/B < 0.35 subject to Full Classifaction Y > Shape Feetor > 10 C/B < 0.20 5,22 43-300 N Subject to Full classification > Artifact c/B < 0.60 -> MUCUS Shape Factor >30 4B < 0.25 Subject to Full Classification

Fig 10

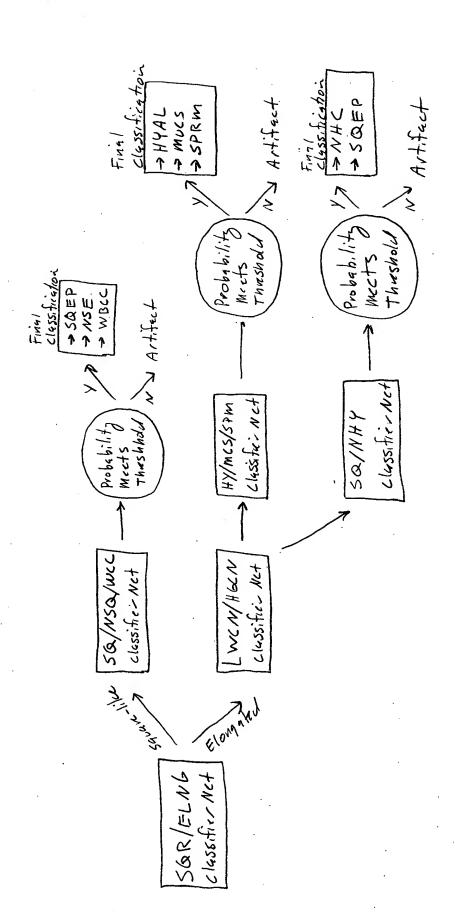
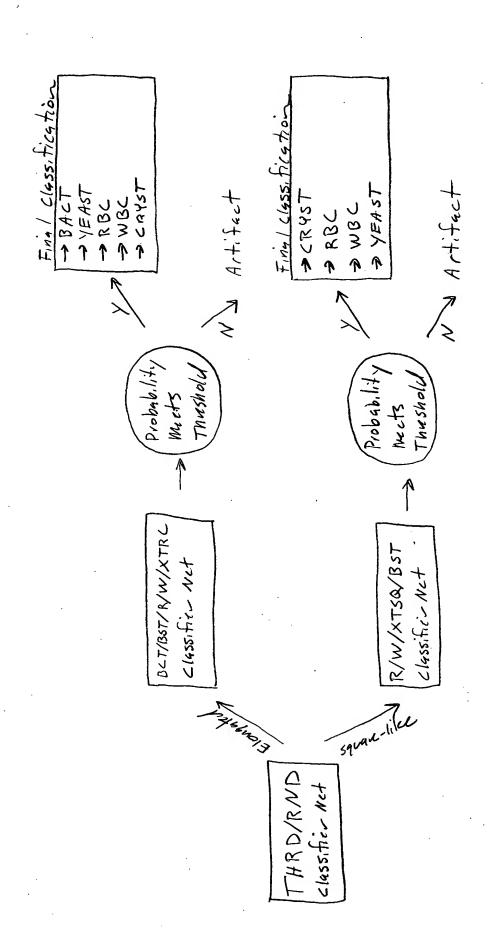
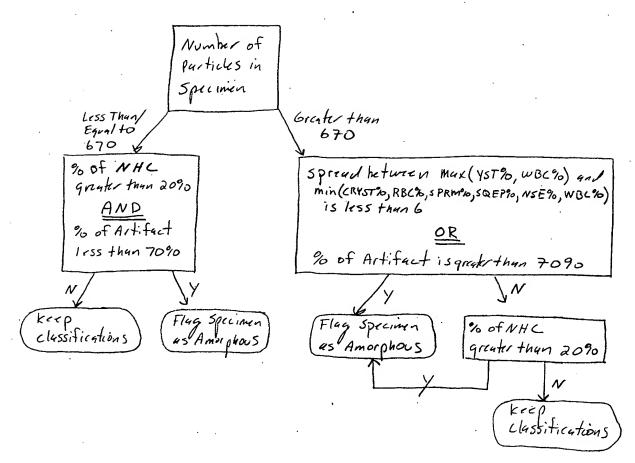


Fig 11A



F. 4 11 B



F.g 12